

Title (en)
INDICATOR SCALLOP CIRCULATOR

Title (de)
INDIKATORFESTONZIRKULATOR

Title (fr)
CIRCULATEUR DE FESTON INDICATEUR

Publication
EP 3108089 A4 20171115 (EN)

Application
EP 15795670 A 20150521

Priority
• US 201462001313 P 20140521
• US 2015032005 W 20150521

Abstract (en)
[origin: WO2015179663A1] A device for perforating a perforating gun body, while leaving adjacent tubulars unperforated, adapted for situations where it may be desirable to use a perforating gun with a loaded number of shaped charges that is less than its full capacity.

IPC 8 full level
E21B 43/117 (2006.01); **E21B 43/119** (2006.01)

CPC (source: EP US)
E21B 43/117 (2013.01 - EP US); **E21B 43/119** (2013.01 - EP US); **F42B 3/02** (2013.01 - US); **F42B 3/08** (2013.01 - US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2015179663A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2015179663 A1 20151126; CA 2933222 A1 20151126; CA 2933222 C 20180522; EP 3108089 A1 20161228; EP 3108089 A4 20171115; US 10584565 B2 20200310; US 2017198559 A1 20170713

DOCDB simple family (application)
US 2015032005 W 20150521; CA 2933222 A 20150521; EP 15795670 A 20150521; US 201515313047 A 20150521